

# Technics®

## *How to use the remote control transmitter RAK-SA937MK*



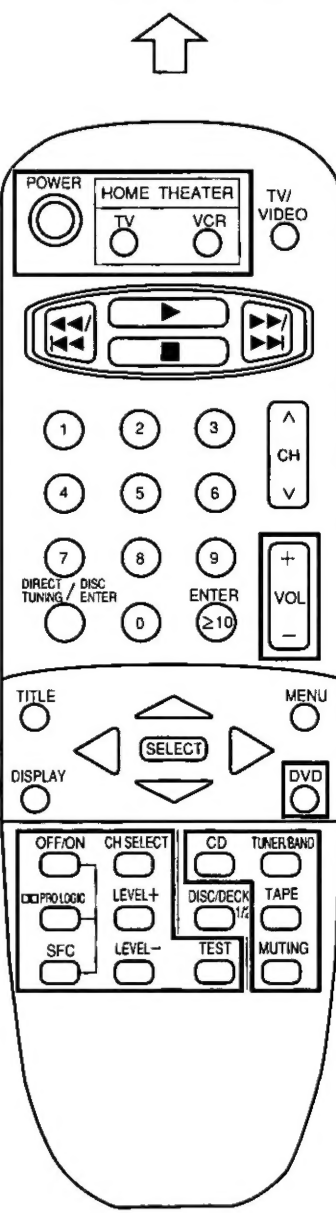
This remote control can be used to operate the receiver you purchased and some other Panasonic and Technics compact cassette decks, CD changers (and CD players), TVs, VCRs and DVD players, provided they are equipped with a remote control sensor.

It is also possible to change-over the remote control code so that the remote control transmitter can operate TVs and VCRs which have not been manufactured by this company.


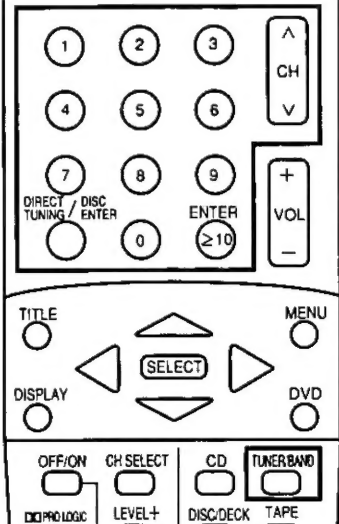


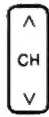
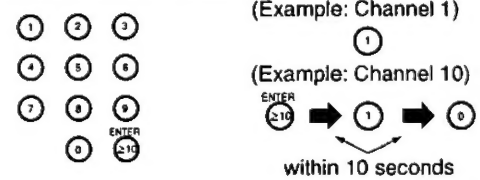
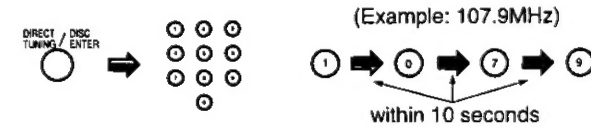
### **Preparations before use**

- For an explanation on how to set up your remote control and precautions, see "Concerning the remote control" in the instruction manual that came with your receiver.
- For details on operating other equipment, see the instruction manual provided with the specific unit.

## To operate the receiver


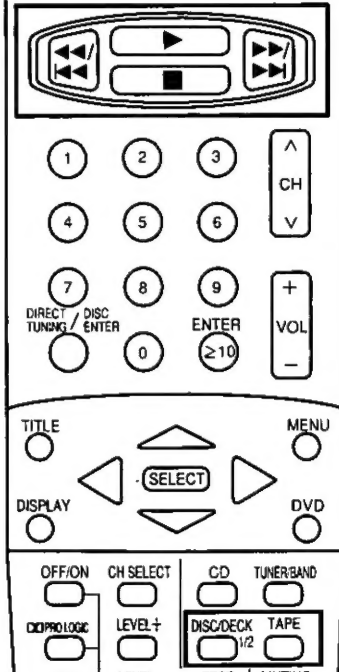





| <p>Point the remote control toward the receiver</p>  |  |
|--|--|
| Basic operations   |  |
| <p><b>To turn the power ON/OFF</b></p>   | <p>TUNER/BAND → POWER</p> <p>Once the power has been set to ON, it can be turned ON and OFF simply by pressing POWER.</p> <p><b>Note</b><br/>After turning the power of the TV, VCR or DVD player ON or OFF, always press TUNER/BAND before pressing POWER when turning the power of the receiver ON and OFF.</p>  |
| <p><b>To select an input source</b></p>  | <p>TV VCR DVD CD TUNER/BAND TAPE</p> <p>(TV/DSS/VCR 2) (VCR 1) (DVD) (CD) (TUNER) (TAPE)</p> <p><b>Note</b><br/>• PHONO can not be selected with this remote control.</p>  |
| <p><b>To turn on Dolby Pro Logic and select the desired mode</b></p>   | <p>PRO LOGIC</p> <p>Changes as follows each time the button is pressed.<br/>SURROUND ↔ 3 STEREO</p>  |
| <p><b>To turn on the SFC function and select the desired mode</b></p>  | <p>SFC</p> <p>Changes as follows each time the button is pressed.</p> <p>HALL → CLUB → LIVE<br/>↑ SIM SURR (SIMULATED) ← THEATER ←</p>   |
| <p><b>To output a test signal</b></p>  | <p>When the SURROUND or 3 STEREO mode is ON</p> <p>TEST</p> <p>Press once more to stop the signal.</p>   |
| <p><b>To adjust the output level of the center speaker and/or surround speakers</b></p>  | <p>When the SURROUND, 3 STEREO or SFC mode is ON</p> <p>CH SELECT → LEVEL+ LEVEL-<br/>① Selects channel between center and surround.<br/>② Adjusts output level.</p> <p><b>Note</b><br/>When the SURROUND mode is ON and the center mode is on PHANTOM, you cannot select the center channel. You can select the center mode only when the SFC mode THEATER is ON.<br/>When the 3 STEREO mode is ON, you cannot select the surround channel.</p> |
| <p><b>To turn Dolby Pro Logic/SFC OFF and ON</b></p>   | <p>OFF/ON</p>  |
| <p><b>To mute the sound level</b></p>  | <p>MUTING</p> <p>The message "MUTING ON NOW" runs repeatedly from right to left across the display as long as the muting function is on.<br/>Press once more to return to the original volume.</p>   |
| <p><b>To adjust the volume</b></p>   | <p>+ VOL -</p>   |

## To operate the receiver (continued)

|   |   |
|---|---|
| <p>Point the remote control toward the receiver</p>   |   |
| <b>To listen to radio broadcasts</b>  |   |
| <b>To switch the remote control transmitter to tuner operation mode</b>   | <p>TUNER/BAND</p>  <p>Be sure to press this button before operating the receiver.<br/>If the selector on the receiver is already on TUNER, the BAND will change.</p> |
| <b>To select "FM" or "AM"</b>   | <p>TUNER/BAND</p>  <p>Changes as follows each time the button is pressed.<br/>FM ⇌ AM</p>  |
| <b>To select the desired channel sequentially (Preset tuning)</b>   | <p>CH</p>    |
| <b>To select the desired channel directly (Preset tuning)</b>   | <p>(Example: Channel 1)</p> <p>(Example: Channel 10)</p>    |
| <b>To select radio stations by frequency (Direct tuning)</b>  | <p>(Example: 107.9MHz)</p>    |

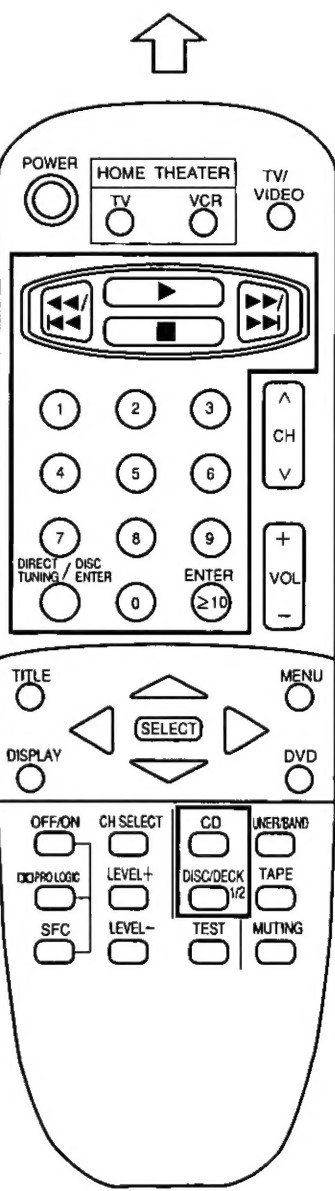































## To operate a cassette deck

Turn the cassette deck ON before trying to operate it by remote control.

|  |  |
|--|--|
| <p>Point the remote control toward the cassette deck</p>   |  |
| <b>To switch the remote control transmitter to cassette deck operation mode</b>  | <p>TAPE</p>  <p>Be sure to press this button before operating the cassette deck.</p>  |
| <b>Only when using a double cassette deck</b><br><b>To select the tape deck (DECK 1/DECK 2)</b>  | <p>DISC/DECK 1/2</p>    |
| <b>To start playback</b>   |    |
| <b>To fast-forward or rewind the tape</b>  | <p>While the tape is stopped</p>  <p>With TPS-equipped cassette decks, you can move to the beginning of a track by pressing these buttons while the tape is playing.</p> |
| <b>To stop playback</b>  |    |

## To operate a CD changer or CD player

Turn the CD changer (or CD player) ON before trying to operate it by remote control.

|   |  |  |
|---|--|--|
| <p>Point the remote control toward the CD changer (or CD player)</p>  | <p><b>To switch the remote control transmitter to CD changer (or CD player) operation mode</b></p> | <p> Be sure to press this button before operating the CD changer or CD player.</p>  |
|   | <p><b>To start play</b></p>  | <p></p>  |
| <p>[CD changer only]<br/><b>To start play from a specific disc</b></p>  |  | <p><b>For 5 CD changer</b></p> <p>DISC/DECK  →    Select disc number.<br/> </p>  |
|   |  | <p><b>For MEGA CD changer ※</b></p> <p>DISC/DECK  →   <br/>   → <br/>  <br/></p> <p>Select the disc number.<br/>(When selecting discs, the ≥10/ENTER button does not respond to touch.)</p> <p><b>For your reference</b></p> <p> If you press this button instead of the ► button shown in the above procedure, the CD changer will stop and display the disc number. To start the disc, press ►.</p> |
|   | <p><b>To start play from a specific track</b></p>  | <p>   Select the track number.<br/>(Example: Track 1)<br/><br/>(Example: Track 10)<br/>ENTER  →  → </p>   |
|   | <p><b>To skip a track</b></p>  | <p> </p>   |
|   | <p><b>To stop play</b></p>   | <p></p>  |

※ "MEGA CD changer" means any Technics CD changer that takes more than 50 discs.

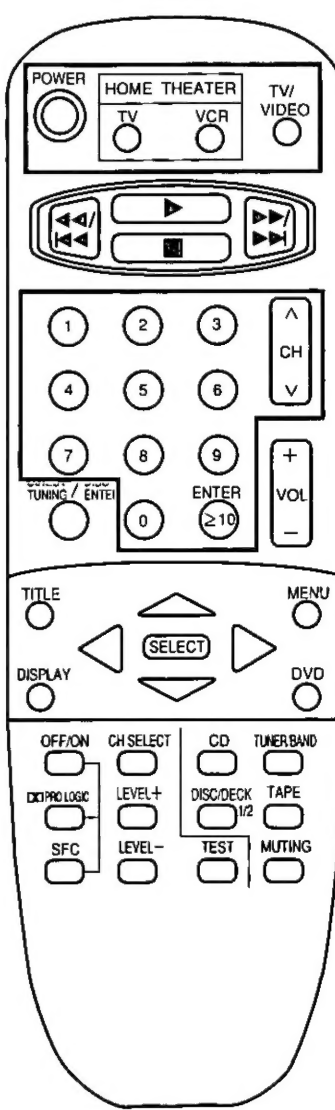
You can operate the following cassette decks, CD changers and CD players with this remote control. (As of February 1998)

|                                |  |
|--------------------------------|--|
| <b>Cassette deck</b>           | RS-TR373, RS-TR474, RS-TR575, RS-BX501, RS-TR252, RS-TR262, RS-TR272   |
| <b>CD changer or CD player</b> | SL-PG440, SL-PD847, SL-PD947, SL-PS840, SL-PD667, SL-P9066, SL-PD867, SL-PD967, SL-PD1000, SL-PD687, SL-PD688, SL-PD787, SL-PD788, SL-PD887, SL-PD888, SL-PD987, SL-PD988, SL-PD1010, SL-MC50, SL-MC60, SL-MC300, SL-MC310, SL-MC400, SL-MC410, SL-MC700 |

Some of the above models are not sold in certain areas.

## To watch TV broadcasts

The procedures below are examples for when a TV and VCR are connected to the receiver as shown in the receiver's instruction manual. This remote control transmitter is designed for home theater systems. If you press TV and POWER in succession, the TV and RECEIVER will be turned on and the selector on the receiver will change to TV/DSS/VCR2. Press POWER within 3 seconds of pressing TV. If you allow more than 3 seconds to pass between pressing TV and POWER, only the TV will be operated.



### To watch TV broadcasts

Point the remote control toward the TV and the receiver

TV → POWER

**Switch ON the power for the TV and the receiver.**

The receiver will switch the input source to TV/DSS/VCR 2.

**Note**  
Do not use this remote control to turn the TV ON and OFF if you are not using the receiver.

Point the remote control toward the TV

TV/VIDEO

**Set the TV/VIDEO mode on the TV to "TV".**

Point the remote control toward the TV

CH or [1-9, 0]

**Select the desired channel.**

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### To watch TV broadcasts with a VCR tuner

Point the remote control toward the TV and the receiver

TV → POWER

**Switch ON the power for the TV and the receiver.**

Point the remote control toward the VCR

[CH] or [1-9, 0]

**Select the desired channel.**

Point the remote control toward the VCR and the receiver

VCR → POWER

**Switch ON the power for the VCR.**  
The receiver will switch the input source to VCR 1.

Point the remote control toward the TV

TV/VIDEO

**Set the TV/VIDEO mode on the TV to "VIDEO".**

Set the input selector on the VCR to the "TUNER" position

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### To switch OFF the power to the TV

TV → POWER

### To switch OFF the power to the VCR

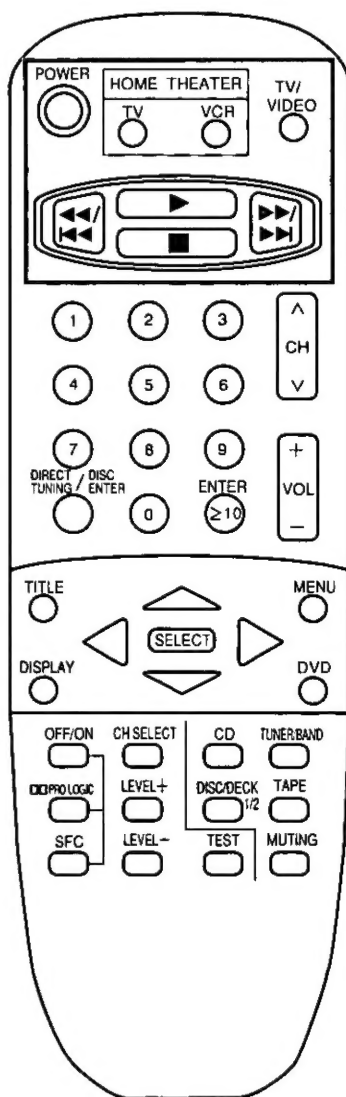
VCR → POWER

**Note**  
Turn the power to the receiver OFF last.

**ENTER** (≥10)  
This button is used when using ENTER to select a channel on a TV or VCR which has not been manufactured by this company.

## To watch video tapes

The procedures below are examples for when a TV and VCR are connected to the receiver as shown in the receiver's instruction manual.



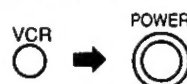
### To watch video tapes

Point the remote control toward the TV and the receiver



Switch ON the power for the TV and the receiver.

Point the remote control toward the VCR and the receiver



Switch ON the power for the VCR.

The receiver will switch the input source to VCR 1.

Point the remote control toward the TV



Set the TV/VIDEO mode on the TV to "VIDEO".

Point the remote control toward the VCR



Playback will begin.

To fast-forward or rewind the video tape

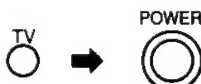
In the stop mode



To stop playback



To switch OFF the power to the TV



To switch OFF the power to the VCR



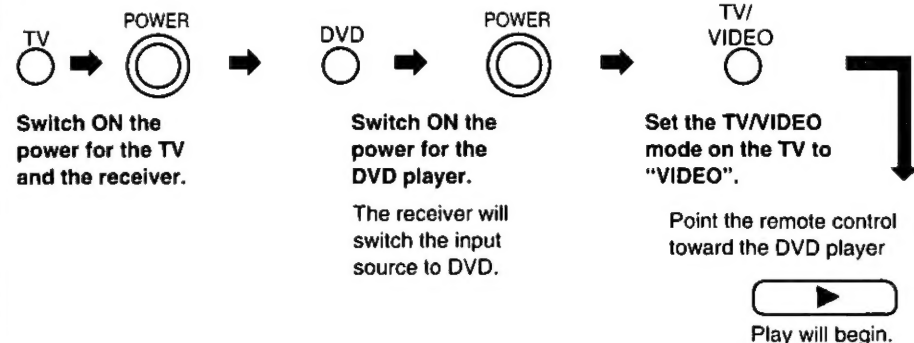
#### Note

Turn the power to the receiver OFF last.

The procedures below are examples for when a TV and DVD player are connected to the receiver as shown in the receiver's instruction manual.



Point the remote control toward the TV



DVD → TITLE → ◀ ▶ → SELECT  
Play will begin.

DVD → MENU → ◀ ▶ → **SELECT**  
Play will begin.

DVD → MENU

DVD → DISPLAY → [Trapezoid] → [Trapezoid] → [3x3 Grid of Buttons 1-9] → SELECT → Play will begin.

DVD →  

DVD → 

TV → POWER

DVD → POWER

Turn the power to the receiver OFF last.

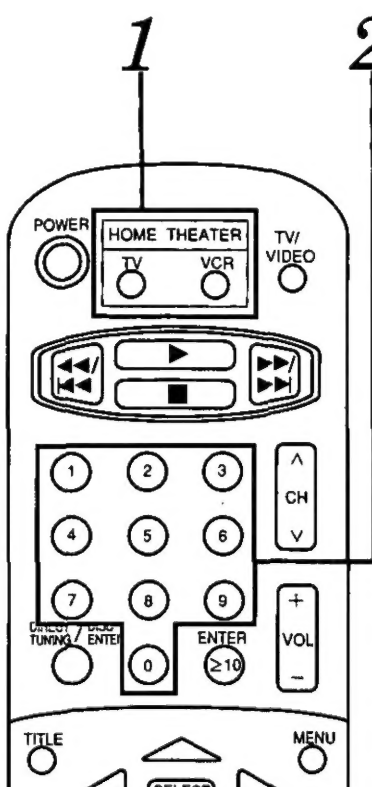


## Changing the remote control code

Change the remote control code in either of the following circumstances:

- If the Panasonic TV or VCR does not operate as a result of a difference in the remote control code.
- If you wish to operate some other make of TV or VCR.

(Refer to pages 5–6 for the buttons which can be operated.)



### How to change the remote control code

**1** (TV) (VCR)  
TV VCR

**Hold down the button corresponding to the component you wish to operate.**

**Continue to hold the button down and...**

**2**

**Aim the remote control at the component you wish to operate and press the numeric buttons to enter the appropriate two-digit code number.** (Refer to the table below for the code number.)

When the two-digit code number is entered, the remote control will automatically output the power on/off signal. If the remote control has been correctly changed to the code for the component to be operated, the power of the component will be switched ON or OFF.

**Note**  
If there is more than one code number indicated in the code table, repeat the above procedure until you find a code number for which the power of the component is switched ON or OFF.

| TV           |                |              |          | VCR          |                |              |          |
|--------------|----------------|--------------|----------|--------------|----------------|--------------|----------|
| Manufacturer | Code No.       | Manufacturer | Code No. | Manufacturer | Code No.       | Manufacturer | Code No. |
| Panasonic    | 01,02,09       | Sylvania     | 07,11,15 | Panasonic    | 01,02          | Sanyo        | 18       |
| Sony         | 04             | Symphonic    | 17,23    | Sony         | 05,06,07       | Sharp        | 16,17    |
| G-E          | 03,09,13       | Toshiba      | 10       | Fisher       | 13,14,15,18    | Shintom      | 32       |
| Gold Star    | 06,07,15,20,22 | Zenith       | 18       | Funai        | 30             | Symphonic    | 30       |
| Hitachi      | 05,06,07       |              |          | G-E          | 08,11          | Toshiba      | 23,24    |
| JVC          | 12             |              |          | Gold Star    | 27             | Zenith       | 20       |
| LXI          | 07,11,13,14,15 |              |          | Hitachi      | 10,11          |              |          |
| Magnavox     | 06,07,11,15    |              |          | JVC          | 19             |              |          |
| Mitsubishi   | 07,15,16       |              |          | LXI          | 10,13,15,18,27 |              |          |
| NEC          | 07,15          |              |          | Magnavox     | 08,09,12       |              |          |
| Philco       | 06,07,11       |              |          | Mitsubishi   | 21,22,28,29    |              |          |
| Philips      | 11             |              |          | NEC          | 19,25,31       |              |          |
| Pioneer      | 19             |              |          | Philco       | 08,09          |              |          |
| Quasar       | 01,02,09       |              |          | Philips      | 08,09,12       |              |          |
| RCA          | 03,07,13       |              |          | Quasar       | 01,02,08,09    |              |          |
| Sanyo        | 14             |              |          | RCA          | 03,04,08,09,10 |              |          |
| Sharp        | 06,08,21       |              |          |              | 11,12,23,24,26 |              |          |

### Note

Depending on the model, there may be cases where operation is not possible even if the remote control code is switched over.

### Note

If the remote control code is changed in accordance with the method given above, the code will be re-initialized to the Panasonic code (code 01) when the batteries are replaced. To change the code back again, repeat the operations given above.